



Spezifikation

Produktbezug:	
Produktnummer	13463677KP
Handelsname / Bezeichnung	Titandioxid, Pharma
CAS Nummer	13463-67-7
Andere Bezeichnungen / Synonyme	•E 171; •Hombikat; •Titan(IV)-oxid; •Titandioxid; •Titanium Dioxide, FCC; •Titanium Dioxide, Reagent; •Titanium Dioxide, Technical; •Titanium Dioxide, USP; •Titanium dioxide; •Titanium oxide;
EG Nummer	236-675-5
Zolltarifnummer / CN-Code	28230000
Molekulargewicht [g/mol]	79,88
Formel	TiO ₂ O ₂ Ti

Parameter	Methode	Spezifikation	Einheit
Sensorische Prüfung			
Aussehen	visuell	weißes bis fast weißes Pulver	
Physikalische Parameter			
Dichte	Din EN ISO 787-10	≤ 3,8	g/cm ³
Trocknungsverlust	FEU	≤ 0.50	%
pH-Wert	pH	7,0 – 8,5	ph
Spezifische Oberfläche	DIN 66131	≤ 9,0	m ² /g
Identifikation			
Gehalt	DIN EN ISO 591-1	≥ 99,0	%
Verunreinigungen			
Glührückstand	GLV	≥ 99	%
Glührückstand			%
Löslicher Anteil	WSLA	in H ₂ O: ≤ 0,50	%

Löslicher Anteil	ASM	in HCL $\leq 0,50$	%
Verunreinigung	RF – Analyse nach DIN 55912-2	Siliziumdioxid $\leq 2,0$	%
Elementare Verunreinigungen			
Aluminium (Al)	XRF analyses DIN 55912-2	≤ 2.0	%
Arsen (As)	ICP-MS	Extraction with 0.5 n HCl ≤ 1.0	ppm
Cadmium (Cd)	ICP-MS	Extraction with 0.5 n HCl ≤ 1.0	ppm
Quecksilber (Hg)	ICP-MS	Extraction with 0.5 n HCl ≤ 1.0	ppm
Blei (Pb)	ICP-MS	Extraction with 0.5 n HCl ≤ 10.0	ppm
Antimon (Sb)	ICP-MS	Extraction with 0.5 n HCl ≤ 2.0	ppm
Partikelgrößenverteilung			
Partikel	Sedimentation	$\leq 0,26$	μm

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 24. Apr. 2020

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